



GenVX™ Series Airline Respirator User Manual

The Bullard GenVX Series airline respirators, when properly used, provide a continuous flow of air from a remote air source to the respirator wearer. GenVX Series respirators offer protection from airborne contaminants that are not immediately dangerous to life or health (IDLH), or that do not exceed maximum use concentrations allowed by applicable OSHA, EPA, NIOSH, ACGIH, or other regulatory standards and recommendations.

GenVX Series airline respirators are approved by NIOSH (TC-19C-0489, TC-19C-0491, TC-19C-0492, TC-19C-0493, TC-19C-0494, TC-19C-0495, TC-19C-0496, Type C and CE) to provide respiratory protection in general purpose applications including heavy- and light-duty abrasive blasting, and Type C and CE painting applications. The protective helmet meets ANSI/ISEA Standard Z89.1-2009 Type 1 requirements for protective headwear for industrial workers, and ANSI/ISEA standard Z87.1-2010, Z87+ High-Impact Face Protection. The cape is designed to protect the worker's body from abrasive rebound.

GenVX Series respirators are compatible with Grade D breathing air sources such as breathing air compressors or Bullard Free-Air® Pumps. Bullard offers the appropriate approved breathing tube assembly and air supply hose to connect the GenVX Series respirator to these breathing air sources.

GenVX Series respirators are approved by NIOSH for use with optional climate control devices offered by Bullard.



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WARNING

Read all instructions and warnings before using this respirator. Save this manual for future reference. Failure to follow these instructions could result in death or serious injury.

Bullard

1898 Safety Way
Cynthiana, KY 41031-9303
877-BULLARD (285-5273)



Model GenVX Series

Type C Continuous Flow Supplied-Air Respirator
Approved Only in the Following Configurations:

RESPIRATOR COMPONENTS											
TC	PROTECTION ¹	MODEL	HOOD	BREATHING TUBE	ALTERNATE CAPE ASSEMBLIES	FLOW CONTROL DEVICE	AIR HOSE	ACCESSORIES	ALTERNATE SUSPENSIONS	ALTERNATE LENSES	CAUTIONS AND LIMITATIONS ²
		GENVX SERIES RESPIRATOR	GENVX	GVXBT	28VX 28ORVX 46VX 4616VX 38VX 38ORVX 13VX 1316VX 66VX 21821 PKVX PKXLVX 36VX 36XLVX	F40 F40B F40S F41 F42 F43 F44 F47 F48	54513 54512 54511 54510 5454 5458 5457 54546OV 46919 46918 46917 46915 46916 46913 4696 469650 4696100 V20505TSHUTOFF V2055TSHUTOFF V20100STSHUTOFF V20100ST	GVXCP 36501 4612 GVXCS GVXPL GVXRT	GVXIL GVXOLT GVXOLG GVXOL40 GVXOL15 GVXLC		
9C-04892	SA/SB/CF	GENVX	X	X	X	X	X	X	X	X	ABCDEJMNOS

1. PROTECTION

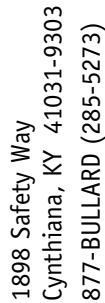
CF = Continuous Flow

SB = Supplied - Air Abrasive Blast

SA = Supplied - Air

2. CAUTIONS AND LIMITATIONS

- A - Not for use in atmosphere containing less than 19.5 percent oxygen.
- B - Not for use in atmospheres immediately dangerous to life or health.
- C - Do not exceed maximum use concentrations established by regulatory standards.
- D - Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
- E - Use only the pressure ranges and hose lengths specified in the User's Instructions.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA and other applicable regulations.
- N - Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration specified by the manufacturer.
- O - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- S - Special or critical User's Instruction and / or specific use limitations apply. Refer to User's Instructions before donning.



Type C Continuous Flow Supplied-Air Respirator Approved Only in the Following Configurations:



AC1000 Series Flow Control

[illegible]

CF=Continuous Flow

SB=Supplied - Air Abrasive Blast

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HC2400 Series Flow Control



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Model GenVX Series

Type C Continuous Flow Supplied-Air Respirator Approved Only in the Following Configurations:

TC	PROTECTION ¹	MODEL	HOOD	BREATHING TUBE	ALTERNATE CAPE ASSEMBLIES	ALTERNATE FLOW CONTROL DEVICE	AIR HOSE	ACCESSORIES	ALTERNATE SUSPENSIONS	ALTERNATE LENSES	CAUTIONS AND LIMITATIONS ²
		GENVX SERIES RESPIRATOR	GENVX	GVXB	28VX 280RVX 46VX 4616VX 38VX 380RVX 13VX 1316VX 21821 PKVX PKXLVX 36XLVX HC2400 HC2400308 HC2400305 HC240031 HC240032 HC240033 HC240034 GC240037 HC240038 54513 54512 54511 54510 5454 5458 5457 545460V 46919 46918 46917 46915 46913 4696 469650 4696100 V20505TSHUTOFF V20255TSHUTOFF V20505TSHUTOFF V201005T GVXCP 36501 4612 GVXC5 GVXPL GVXR1 GVX1L GVX016 GVX016 GVX015 GVX1C						
		GENVX	x	x	x	x	x	x	x	x	ARCDE/IMNOS
		SA/SR/CE	GENVX	x	x	x	x	x	x	x	
		9C/1492		x	x	x	x	x	x	x	

1. PROTECTION

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E - Use only the pressure ranges and hose lengths specified in the User's Instructions.

J - Failure to properly use and maintain this product could result in injury or death.

M - All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA and other applicable regulations.

N - Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration specified by the manufacturer.

0 - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.

S - Special or critical User's Instruction and / or specific use limitations apply. Refer to User's Instructions before donning.

Approval Label 5



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Model GenVX Series
Type C Continuous Flow Supplied-Air Respirator
Approved Only in the Following Configurations:



Frigitron Series Flow Control

TC-	PROTECTION ¹	MODEL	HOOD	BREATHING TUBE	ALTERNATE CAPE ASSEMBLIES	ALTERNATE FLOW CONTROL DEVICE	RESPIRATOR COMPONENTS															CAUTIONS AND LIMITATIONS ²																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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		GENVX SERIES RESPIRATOR	GENVX	GVXBT	28VX 280RVX 46VX 4616VX 38VX 380RVX 13VX 1316VX 66VX 21821 PKVX PKX1VX 36VX 36X1VX	FRI62000 FRI62000B FRI62000S	54513 54512 54511 54510 5454 5458 5457 545460V 46919 46918 46917 46915 46916 46913 4696 469650 4696100	V20505TSHUTOFF V2055TSHUTOFF V201005TSHUTOFF V201005T	GVXCP 36501 4612 GVXCS GVXPL GVXR1 GVXIL GVXOLT GVXOL6 GVXOL40 GVXOL15 6VXLC	ALTERNATE SUSPENSIONS	ALTERNATE LENSES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

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- N - Never substitute, modify, add or omit parts. Use only exact replacement parts in the configuration specified by the manufacturer.
- O - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
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DC50 Series Flow Control



Bullard

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877-BULLARD (285-5273)



Model GenVX Series

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TC-	PROTECTION ¹	MODEL	HOOD	BREATHING TUBE	RESPIRATOR COMPONENTS																CAUTIONS AND LIMITATIONS ²																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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19C-0494	SA/SR/CE	GENVX SERIES RESPIRATOR	GENVX	GVXB8T	28VX	28ORVX	46VX	4616VX	38VX	38ORVX	13VX	1316VX	21821	PKVX	PKXLVX	36VX	DCS040	DC5040B	DC5040S	DC5042	DC5043	DC5044	DC5047	DC5048	54513	54512	54511	54510	5454	5458	5457	545460V	46919	46918	46917	46915	46916	46913	469650	4696100	V20505TSHUTOFF	V20505TSHUTOFF	V20505T	V20100S1	DC70ML	DC70X1XXL	DC705X	GVXCP	36501	GVXCSC	GVXPL	GVXB7	GVX1L1	GVX0L6	GVX0L7	GVX0L40	GVX0L15	GVXLC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

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0 - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.

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Approval Label ✓



Bullard
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Cynthiana, KY 41031-9303
877-BULLARD (285-5273)

Model GenVX Series
Type C Continuous Flow Supplied-Air Respirator
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CT Series Flow Control

RESPIRATOR COMPONENTS																
TC:	PROTECTION ¹	MODEL	HOOD	BREATHING TUBE	ALTERNATE CAPE ASSEMBLIES	ALTERNATE FLOW CONTROL DEVICE	AIR HOSE	ACCESSORIES	ALTERNATE SUSPENSIONS	ALTERNATE LENSES	CAUTIONS AND LIMITATIONS ²					
19C-0495	SA/SB/CF	GENVX	X	X	28VX 280RVX 46VX 4616VX 38VX 380RVX 13VX 1316VX 66VX PKVX PKXLVX 36XLVX CT30 CT108 CT130S CT130S5W CT130BSW CT34 CT32 CT33 CT37 CT38 54513 54512 54510 5454 5458 5457 545460V 46919 46918 46917 46915 46916 46913 4696 469650 4696100 V2050TSHUTOFF V2050TSHUTOFF V2025TSHUTOFF V2025TSHUTOFF V20100ST GVXCP 36501 4612 GVXCS GVXPL GVXRT GVXIL GVXOLT GVXOLG GVXOL40 GVXOL15 GVXLC	X	X	X	X	X	X	X	X	X	X	X

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- E - Use only the pressure ranges and hose lengths specified in the User's Instructions.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA and other applicable regulations.
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		GENVX SERIES RESPIRATOR	GENVX	GVBXT	28VX 28ORVX 46VX 4616VX 38VX 38ORVX 13VX 1316VX 66VX PKVX PKXLVX 36VX 36XLVX HCT30B HCT30S HCT30SW HCT30BSW HCT31 HCT32 HCT33 HCT34 HCT37 HCT38 54513 54512 54511 54510 5454 5458 5457 54546GV 46919 46918 46917 46915 46916 46913 469650 4696100 V2050STSHUTOFF V2050STSHUTOFF V2050ST V20100ST GVXCP 36501 4612 GVXCS GVXPL GVXRT		GVXLT GVXOL40 GVXOL6 GVXOL7 GVXLT GVXLT GVXRT		ABCEJMNOS

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Component Concept

The Bullard GenVX Series airline respirators consist of four components (Figure 1): respirator helmet assembly, breathing tube assembly, flow control device, cape, and air supply hose.

All components must be present and properly assembled to constitute a complete NIOSH approved respirator.

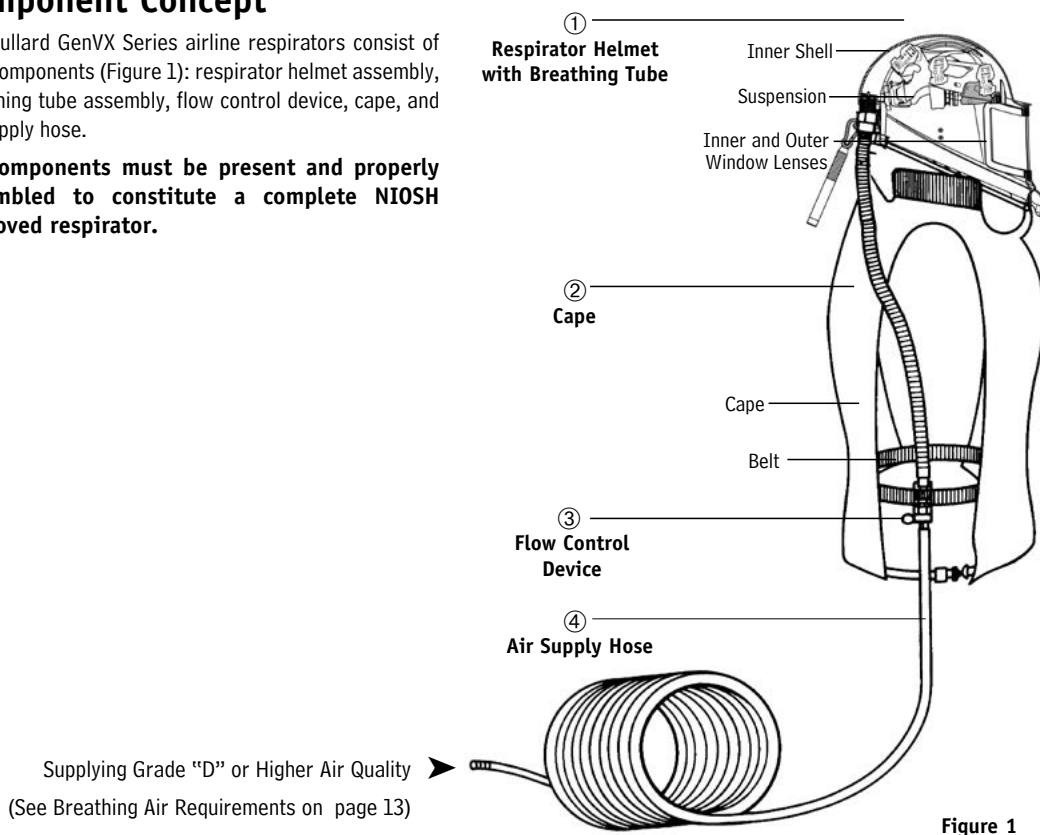


Figure 1

⚠ WARNING

Failure to use complete NIOSH approved Bullard components and replacement parts voids approval of entire assembly. Basic parts are listed on the NIOSH Approval Label on pages 2-9. Failure to follow these instructions could result in death or serious injury.

GenVX Series Airline Respirator

User Manual

WARNING

1. NEVER use this respirator, or any supplied air respirator, in concentrations which exceed the maximum use concentrations for the respirator you have chosen.
2. It is imperative to know the level of concentration of contaminants for which this respirator, or any respirator, is being used. Otherwise, it is impossible to choose an appropriate respirator. If this respirator is used in sandblasting, it is necessary to take measurements of the concentrations outside the supplied air respirator during the blasting operations.
3. It is also imperative that you measure the concentration of dust after the blasting stops before you send your employee(s) back into the area to perform other tasks such as clean-up or painting. Concentrations may still be high enough to exceed the maximum use concentrations of many respirators, including supplied air respirators.
4. Do not assume that the concentrations you measured at an earlier time must be or probably are the same now for a different task or operation. Concentrations may vary significantly depending on a host of factors including, but not limited to, the number of blasters engaged in the operation, whether the blasting is in an enclosed or partially-enclosed structure (confined or semi-confined space), whether ventilation is used, and the type of ventilation.
5. This respirator, when properly fitted and used, in conjunction with adherence to OSHA regulations and industry standards, will provide a reasonable degree of protection to the wearer. The respirator significantly reduces, but may not totally eliminate, the breathing of contaminants depending on the work practices involved. Where concentrations of contaminants are excessive, respirator wearers may obtain a higher level of protection from a self contained breathing apparatus (SCBA) respirator. At this time there are no side-by-side field studies for comparison. However, OSHA does assign higher protection factors to these groups of respirators. Ideally, the employer should measure concentrations inside the breathing zone on a periodic basis to ensure that the wearer is receiving adequate protection.
6. Before using this respirator, Federal Law requires that the employer shall identify and evaluate the respiratory hazard(s) in the workplace, and that this evaluation shall include a reasonable estimate of employee exposures to respiratory hazard(s) and an identification of the contaminant's chemical state and physical form. Do not exceed maximum use concentrations established by OSHA, EPA, NIOSH, ACGIH, or other regulatory standards. All approved respirators shall be selected, fitted, used and maintained in accordance with MSHA, OSHA, NIOSH and other applicable regulations.
7. Improper respirator use may damage your health and/or cause your death. Improper use may also cause certain life threatening delayed lung diseases such as silicosis, pneumoconiosis, or asbestosis.
8. Do not wear this respirator if any of the following conditions exist:
 - The atmosphere is immediately dangerous to your life or health (IDLH)
 - You cannot escape without the aid of the respirator
 - The atmosphere contains less than 19.5% oxygen
 - The work area is poorly ventilated
 - Unknown contaminants are present, or
 - Contaminant concentrations are in excess of regulations or recommendations (as described in item 2 above).
9. Do not wear this respirator until you have passed a complete medical evaluation (perhaps including a lung x-ray) conducted by qualified medical personnel, and have been trained in the respirator's use, maintenance, and limitations by a qualified individual (appointed by your employer) who has extensive knowledge of Bullard GenVX Series respirators.
10. Do not modify or alter this respirator in any manner. Use only NIOSH approved GenVX Series components and replacement parts manufactured by Bullard for use with this respirator.

Failure to use NIOSH-approved Bullard components and replacement parts such as lenses, hoses, flow control devices, capes, and climate control devices, voids NIOSH approval of the entire respirator, invalidates all Bullard warranties, and could cause death, serious injury, lung disease, or exposure to other hazardous or life threatening conditions. In the past, Bullard has tested after-market or "pirate" air control valves. In these tests, only four (4) CFM of air was allowed into the breathing zone. Incoming air flow is very important to the respirator user and is instrumental in keeping contaminants out of the breathing zone of the respirator user. This respirator was designed and certified by NIOSH to provide a minimum of six (6) CFM to the wearer. Buying replacement parts that are not manufactured by Bullard and intended for this respirator not only voids NIOSH approval and Bullard warranties, but also exposes the respirator user to an unreasonable health risk and may result in fines from OSHA.

(Continued on Page 12)

(Continued from Page 11)

⚠ WARNING

11. Inspect all components of this respirator system daily for signs of wear, tear, or damage that might reduce the degree of protection originally provided. Immediately replace worn or damaged components with NIOSH approved Bullard GenVX Series components or remove the respirator from service. Bullard capes, for example, have instructions and warnings sewn inside each for the benefit of the respirator user. Purchasing after-market "pirate" capes will deprive the respirator user access to these important instructions and warnings. (See INSPECTION, CLEANING, AND STORAGE section on pages 22-23 for proper maintenance of GenVX Series respirators).
12. This respirator must be supplied with clean breathable air at all times. Be certain your employer has determined that the breathing air source at the point-of-attachment provides at least Grade D breathable air—air meeting the requirements as described in the Compressed Gas Association Commodity Specification CGA G-7.1 and as specified by Federal Law at 42 CFR, Par 84, Subpart J, 84.141(b) and 29 CFR 1910.134(i). The point-of-attachment is the point at which the air supply hose connects to the air source. This respirator does not purify air or filter out contaminants.
13. Use only the hose lengths and pressure ranges specified in the instruction manual. A pressure gauge attached to the air source is used to monitor the amount and adequacy of air provided to the respirator wearer (see page 13).
14. Do not connect the respirator's air supply hose to nitrogen, oxygen, toxic gases, inert gases, or other non-Grade D air sources. To prevent this, the employer must use airline couplings that are incompatible with outlets for other gas systems, as required by OSHA regulation 29 CFR 1910.134 (i) (8). Check the air source before using the respirator. Failure to connect to the proper air source could result in death or serious injury.
15. Do not use this respirator in poorly ventilated areas or confined spaces such as tanks, small rooms, tunnels, or vessels unless the confined space is well ventilated and the contaminant concentrations are below the upper limit recommended for this respirator. In addition, follow all procedures for confined space entry, operation and exit as defined in applicable regulations and standards, including 29 CFR 1910.146.
16. If you have any questions concerning the use of this respirator, or if you are not sure whether the atmosphere you are working in is immediately dangerous to life or health (IDLH), ask your employer. All instructions for the use and care of this product must be supplied to you by your employer as recommended by the manufacturer and as required by Federal Law (29 CFR 1910.134).
17. Do not use this respirator for underwater diving.
18. Leave work area immediately if:
 - Any respirator component becomes damaged
 - Airflow into respirator stops or slows down
 - The air pressure, as indicated on the gauge, drops below the minimum specified in the Breathing Air Pressure Table in the GenVX Series User Manual
 - Breathing becomes difficult
 - You become dizzy, nauseous, too hot, too cold, or ill
 - You taste, smell, or see contaminants inside the respirator hood
 - Your vision becomes impaired
19. HEAD: GenVX Series respirators meet ANSI Standard Z89.1-2009 Type 1 for protective headwear for industrial workers. The helmet is designed to provide limited head protection by reducing the force of falling objects striking the top of the head.
20. FACE: The tandem use of the respirator's inner and outer lenses (windows) meet ANSI Z-87.1-2003 (High impact plus Z87 + Face Protection) requirements for face protection. The use of both lenses provides limited face protection from flying particles, spray or hazardous liquids, but the lenses are not shatterproof.
21. EYES: GenVX Series respirators DO NOT provide eye protection. Wear approved safety glasses or goggles at all times.
22. EARS: GenVX Series respirators DO NOT provide hearing protection. Use properly fitted earmuffs, earplugs and/or other hearing protection when exposed to high noise levels.
23. Historically, the incidence of disease from overexposure to toxic substances almost always occurs because the OSHA regulations and industry standards applicable to the work practices involved are not followed. It is, therefore, imperative that the employer understand and follow all of these standards and regulations.

REMEMBER:

- Respiratory protection is but one component of safe work practices. To minimize the chances of overexposure, all safety regulations and standards must be followed; and,
- Respiratory protection is the last line of defense to be employed. The employer must first eliminate or minimize the levels of toxic substances in the work place by accepted engineering control measures. Assuming the employer and the wearer do their part, this respirator should provide the wearer with an adequate degree of protection.

GenVX Series Airline Respirator User Manual

Cautions and Limitations

For technical assistance call or write:

Bullard
1898 Safety Way
Cynthiana, KY 41031-9303
Toll free: 877-BULLARD (285-5273)
Phone: 859-234-6616
Fax: 859-234-6858
info@bullard.com
www.bullard.com

Operations

Protection

Respiratory

This respirator is NIOSH approved (TC-19C-0489, TC-19C-0491, TC-19C-0492, TC-19C-0493, TC-19C-0494, TC-19C-0495, TC-19C-0496) as a Type C and CE respirator. It can be worn for general purpose applications, including heavy and light-duty abrasive blasting, and spray painting.

This respirator is not approved for use in any atmosphere immediately dangerous to life or health (IDLH), or from which the wearer cannot escape without the aid of the respirator.

Head

GenVX Series respirators meet ANSI Standard Z89.1-2009 Type 1 requirements for protective headwear for industrial workers. The helmet is designed to provide limited head protection by reducing the force of falling objects striking the top of the helmet.

Face

The tandem use of the respirator's inner and outer windows meet ANSI Z87.1-2003 (High impact plus Z87 + Face Protection) requirements for face protection. The use of both windows provide limited face protection from flying particles or spray of hazardous liquids, but is not shatterproof. There is no need to apply Anti-Fog to these lenses.

Eyes

GenVX Series respirators DO NOT provide eye protection. Wear approved safety glasses or goggles at all times.

Ears

GenVX Series respirators DO NOT provide hearing protection. Use properly fitted earmuffs, earplugs and/or other protection when exposed to high noise levels.

Breathing Air Requirements

Air Quality

Respirable, breathing air must be supplied to the point-of-attachment of the approved Bullard air supply hose. The point-of-attachment is the point at which the air supply hose connects to the air source. A pressure gauge attached to the air source is used to monitor the pressure of air provided to the respirator wearer (see page 13).

WARNING

This respirator **MUST** be supplied with clean, breathable air, Grade D or better, at all times. This respirator does **NOT** purify air or filter out contaminants. Failure to follow these instructions could result in death or serious injury.

Supplied breathing air must **AT LEAST** meet the requirements for Type 1 gaseous air as described in the Compressed Gas Association Commodity Specification G-7.1 (Grade D or higher quality), and as specified by Federal Law 42 CFR, Part 84, Subpart J, 84.141(b) and 29 CFR 1910.134(i).

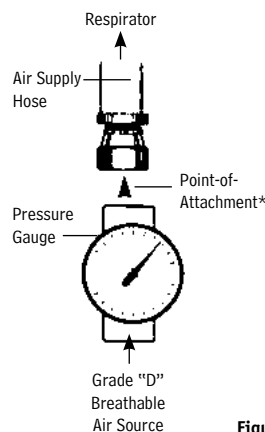


Figure 2

*Use either a V13 hose-to-hose pipe adapter or a quick-disconnect coupler to attach the air supply hose.

The requirements for Grade D breathable air include:

Oxygen 19.5-23.5%
 Hydrocarbons (condensed)
 in mg/m3 5 mg/m3 max.
 Carbon monoxide 10 ppm max.
 Carbon dioxide 1,000 ppm max.
 Odor..... Lack of noticeable odor

No toxic contaminants at levels that make air unsafe to breathe.

Contact the Compressed Gas Association (1725 Jefferson Davis Hwy, Arlington, VA 22202) for complete details on Commodity Specification G-7.1.

Air Source

Locate the source of supplied air whether it is an air compressor or an ambient air pump, such as a Bullard Free-Air® pump, in a clean air environment. Locate the air source far enough from your work site to ensure the air remains contaminant-free. Always use an inlet filter on your air source.

Use suitable after-cooler/dryers, filters, carbon monoxide monitors and alarms, like the Bullard Clean Air Box (CAB) Series, as necessary to assure clean, breathable air at all times.

The air should be regularly sampled to be sure that it meets Grade D requirements.

Breathing Air Pressure

Air pressure must be continually monitored at the point-of-attachment while operating this respirator. A reliable air pressure gauge must be present to permit you to continually monitor the pressure during actual respirator operation.

⚠ WARNING

Failure to supply the minimum required pressure at the point-of-attachment for your hose length and type will reduce airflow and could result in death or serious injury.

The Breathing Air Pressure Table (pages 15-17) defines the air pressure ranges necessary to provide GenVX Series respirators with a volume of air that falls within the required range of 6-15 cfm or 170-425 lpm (Ref. 42 CFR, Part 84, Subpart J, Table 8).

Make sure you understand the information in the Breathing Air Pressure Table before using this respirator.

1. Find your flow control valve/climate control device in the box heading and column 1.
2. Be sure your Bullard air supply hose(s) (column 3) is approved for use with your flow control valve/climate control device.
3. Determine that your Bullard air supply hose is within the approved length (column 3).
4. Make sure you have not exceeded the maximum number of hose sections (column 3).
5. Set the air pressure at the point-of-attachment within the required pressure range for your flow control valve/climate control device, and air supply hose type and length. Accurate pressure readings can only be attained when air is flowing into the respirator.

NIOSH approved Bullard air supply hose(s) MUST be used between the breathing tube connection fitting on the wearer's belt and the point-of-attachment to the air supply (page 13).

NIOSH approved Bullard quick-disconnect fittings MUST be used to connect V20 hose lengths together. When connecting lengths of V10 hose, only use Bullard V11 hose-to-hose adapters. Secure connection(s) until wrench tight and leak free. Total connected hose length and number of hoses MUST be within the ranges specified on the Breathing Air Pressure Table (pages 15-17) and the respirator's NIOSH approval label (pages 2-9).

The breathing tube connection fitting MUST be secured to the belt that is supplied with this respirator. Securing the air entry connection fitting helps prevent the air supply hose from snagging, disconnecting or pulling the respirator helmet off your head.

GenVX Series Airline Respirator User Manual

S - Special or Critical Users Instructions

Breathing Air Pressure Table

These tables define the air pressure ranges necessary to provide the GenVX with a volume of air that falls within the required range of 6-15 or 170-425 lpm according to U.S. Government Regulations (42 CFR, Subpart J, 84.150, Table 8). First, find the table with the correct flow control device, then find the air supply hose length, the value within the corresponding box represents the proper operating air pressure.

CT Series Cool Tube Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
CT30, CT30B, CT30S	Industrial Interchange	55-56	57-58	65-74	68-79	74-86	77-91	84-85	85-100
CT30SW (Swivel)	Industrial Interchange	63-64	65-66	70-71	70-71	75-76	79-97	86-87	86-100
CT31	Schrader	55-56	57-58	61-62	60-61	68-84	72-88	76-95	79-99
CT32	Snap Tite	55-56	57-58	61-62	60-61	70-71	74-75	75-95	78-99
CT33	Snap Tite Brass	55-56	57-58	61-62	60-61	70-71	74-75	75-95	78-99
CT34	Snap Tite Stainless	55-56	57-58	61-62	60-61	70-71	74-75	75-95	78-99
CT37	CEJN	55-56	55-56	60-61	60-61	68-69	75-76	80-90	77-97
CT38	Bayonet	60-61	63-64	65-80	70-71	72-89	75-95	80-100	N/A

HCT Series Hot/Cold Tube (Hot Air to Hood) Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
HCT30	Industrial Interchange	63-65	65-68	65-68	68-70	73-75	79-87	90-91	91-92
HCT30SW (Swivel)	Industrial Interchange	72-75	72-75	75-78	75-78	84-87	84-87	94-95	97-98
HCT31	Schrader	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT32	Snap Tite	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT33	Snap Tite Brass	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT34	Snap Tite Stainless	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT37	CEJN	63-65	65-68	65-68	68-70	73-75	77-79	90-91	87-88
HCT38	Bayonet	63-65	65-68	65-68	68-70	79-90	85-93	NA	NA

* Indicates the maximum number of hose sections allowed.

S - Special or Critical Users Instructions (cont')

Breathing Air Pressure Table

These tables define the air pressure ranges necessary to provide the GenVX with a volume of air that falls within the required range of 6-15 or 170-425 lpm according to U.S. Government Regulations (42 CFR, Subpart J, 84.150, Table 8). First, find the table with the correct flow control device, then find the air supply hose length, the value within the corresponding box represents the proper operating air pressure.

HCT Series Hot/Cold Tube (Cold Air To Hood) Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
HCT30	Industrial Interchange	63-65	65-68	65-68	68-70	73-75	93-96	90-91	91-92
HCT30SW (Swivel)	Industrial Interchange	72-75	72-75	75-78	75-78	84-87	84-87	94-95	97-98
HCT31	Schrader	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT32	Snap Tite	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT33	Snap Tite Brass	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT34	Snap Tite Stainless	63-65	65-68	65-68	68-70	75-76	79-80	90-91	91-92
HCT37	CEJN	63-65	65-68	68-69	68-70	73-75	77-79	90-91	87-88
HCT38	Bayonet	66-68	65-68	84-85	75-76	95-97	97-99	NA	NA

DC50 Series Dual Cool Tube Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
DC5040	Industrial Interchange	68-77	68-77	70-75	73-82	81-87	89-92	95-97	N/A
DC5041	Schrader	68-77	68-77	70-75	73-82	81-87	89-92	95-97	N/A
DC5042	Snap Tite	68-77	68-77	70-75	73-82	81-87	89-92	95-97	N/A
DC5043	Snap Tite Brass	68-77	68-77	70-75	73-82	81-87	89-92	95-97	N/A
DC5044	Snap Tite Stainless	68-77	68-77	70-75	73-82	81-87	89-92	95-97	N/A
DC5047	CEJN	60-61	68-77	70-75	73-82	78-87	93-94	88-97	N/A
DC5048	Bayonet	68-77	68-77	75-76	73-82	86-87	93-94	96-97	N/A

F40 Series Adjustable Flow Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
F40	Industrial Interchange	25-36	28-40	30-43	32-44	35-51	38-53	41-59	45-62
F41	Schrader	31-47	32-50	34-52	36-52	39-57	42-60	44-64	48-67
F42	Snap Tite	24-34	27-38	28-41	30-42	35-48	38-52	39-59	43-60
F43	Snap Tite Brass	24-34	27-38	28-41	30-42	35-48	38-52	39-59	43-60
F44	Snap Tite Stainless	24-34	27-38	28-41	30-42	35-48	38-52	39-59	43-60
F47	CEJN	22-29	24-33	26-36	27-36	32-44	36-48	39-54	42-57
F48	Bayonet	28-41	32-45	32-48	35-48	38-54	41-57	43-63	47-65

* Indicates the maximum number of hose sections allowed.

GenVX Series Airline Respirator User Manual

S - Special or Critical Users Instructions (cont')

Breathing Air Pressure Table

These tables define the air pressure ranges necessary to provide the GenVX with a volume of air that falls within the required range of 6-15 or 170-425 lpm according to U.S. Government Regulations (42 CFR, Subpart J, 84.150, Table 8). First, find the table with the correct flow control device, then find the air supply hose length, the value within the corresponding box represents the proper operating air pressure.

AC1000 Series Cool Tube Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
AC100030	Industrial Interchange	60-65	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100031	Schrader	60-65	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100032	Snap Tite	60-65	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100033	Snap Tite Brass	60-65	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100034	Snap Tite Stainless	60-65	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100037	CEJN	60-68	60-65	65-70	65-70	65-70	70-75	70-75	70-75
AC100038	Bayonet	60-65	60-65	65-70	65-70	65-70	70-75	70-75	74-75

HC2400 Series Hot/Cold Tube (Hot Air to Hood) Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
HC240030	Industrial Interchange	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240031	Schrader	66-68	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240032	Snap Tite	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240033	Snap Tite Brass	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240034	Snap Tite Stainless	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240037	CEJN	66-68	82-84	73-77	75-78	82-84	86-88	88-92	92-94
HC240038	Bayonet	68-69	82-84	73-77	75-78	82-84	86-88	88-92	92-94

HC2400 Series Hot/Cold Tube (Cold Air to Hood) Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V10 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
HC240030	Industrial Interchange	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240031	Schrader	66-68	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240032	Snap Tite	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240033	Snap Tite Brass	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240034	Snap Tite Stainless	72-74	82-84	75-78	75-80	80-84	86-88	90-92	92-94
HC240037	CEJN	66-68	82-84	73-77	75-78	82-84	86-88	88-92	92-94
HC240038	Bayonet	66-68	82-84	73-77	75-78	82-84	86-88	88-92	92-94

Frigitron Free Air® Pump Cool Tube and F35 Constant Flow Pressure Table (pressures in psi)									
1	2	3							
Flow Control Device	Nipple Type	V20 Air Supply Hose Lengths							
		25' (1*)	50' (2*)	75' (2*)	100' (3*)	150' (3*)	200' (4*)	250' (4*)	300' (5*)
FRIGITRON2000	Industrial Interchange	25-32	28-32	N/A	28-33	N/A	34-37	N/A	37-41
FRIGITRON2000B	Industrial Interchange	25-32	28-32	N/A	28-33	N/A	34-37	N/A	37-41
FRIGITRON2000S	Industrial Interchange	25-32	28-32	N/A	28-33	N/A	34-37	N/A	37-41

* Indicates the maximum number of hose sections allowed.

Bullard GenVX Series Airline Respirator

Point-of-Attachment

Bullard Air Supply Hose

Flow Control Device

Bullard Free-Air Pump

Grade D Breathing Air Cylinder System

Bullard 41 Series Airline Filter

Suitable After-Cooler/Dryers with filters and carbon monoxide monitor as required

Breathing Air Compressor with storage tank

Compressed Breathing Air System

Bullard Clear Air Box

Point-of-Attachment

The point-of-attachment is the point at which the air supply hose connects to the air source. A pressure gauge attached to the air source is used to monitor the pressure of air provided to the respirator wearer.

GenVX Series Airline Respirator User Manual

Respirator Assembly

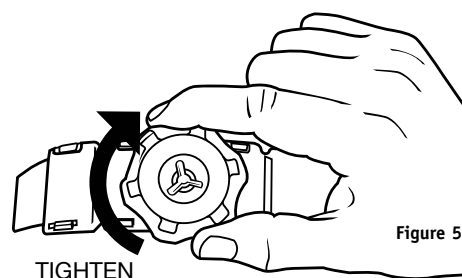
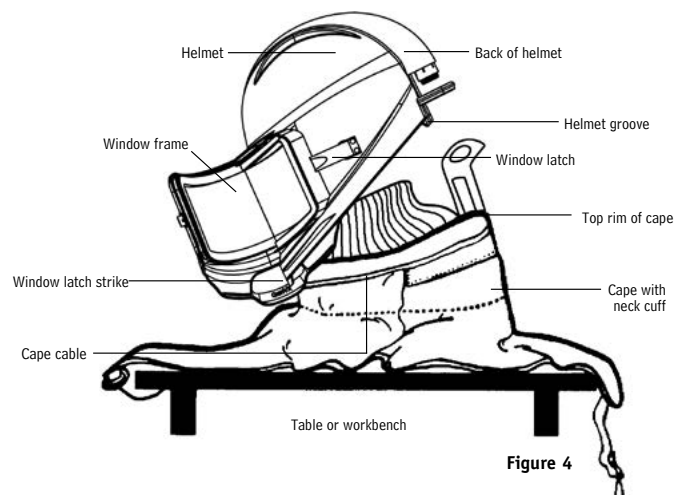
Before assembling this respirator, read the warning labels on the inside of the respirator cape and the helmet shell and this manual in full.

Remove and read the warning card inserted between the respirator's two lenses.

Sizing the Headband

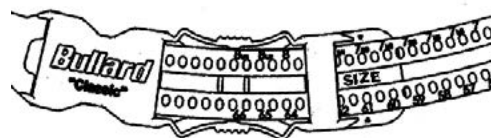
Before you can size the headband suspension, the cape must be removed from the helmet using the following steps:

1. Open hinged window frame by lifting up on window latch.
2. Remove cape from helmet by lifting up on clamp and disengaging cape from helmet groove (Figure 4).
3. Adjust the suspension size: Flex-Gear® Ratchet-style suspension: Turn ratchet knob counter clockwise until headband opens to largest size. Place helmet on head and turn ratchet knob clockwise until it fits comfortably. DO NOT OVERTIGHTEN (Figure 5).
4. Remove from your head and replace the cape according to Bullard's instructions.



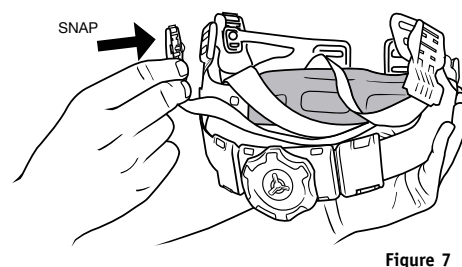
Optional Pinlock Suspension Instructions

For pinlock headbands, unlock the four pins from the sizing holes. Place the headband on your head. Pull down, allowing headband to expand until it feels comfortable. The headband will automatically adjust to your size. Lock into place by pushing the four pins into the sizing holes (Figure 6).



Adjust Crown Straps for Vertical Fit

To improve suspension comfort, adjust crown straps vertically by repositioning the crown strap posts in the crown straps. Vertical adjustment makes the headband ride higher or lower on the wearer's head. To adjust, push crown strap post from slot, move to new slot, and snap in to secure. Move key to desired vertical position. Repeat for other crown strap post (Figure 7).



Installing Headband into Helmet

1. Turn helmet and headband suspension upside down.
2. Place headband inside helmet with brow pad facing front of shell.
3. Insert keys into respective key slots. Push firmly until keys snap into place (Figure 8).

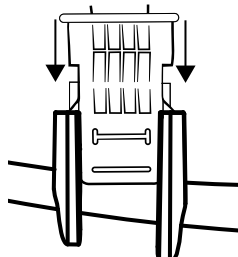


Figure 8

Using the GVXCS Chin Strap

1. Attach chin strap to headband by sliding chin strap keyway slot over plastic head on button inside the inner shell. Refer to GVXCS chin strap installation instructions.
2. Put helmet on your head. Adjust chin strap length with the plastic slide.

Optional Lens Covers

1. If desired, apply optional lens covers designed to protect the respirator's plastic lens. Apply up to 5 lens covers at a time.
2. When lens becomes soiled, remove by pulling tab at edge of lens cover to clear your vision.

Optional Cheek Pad Assembly

1. Remove plastic from the Velcro attached to the cheek pad. Apply to the helmet. Press firmly, holding pad in place to ensure a secure placement (Figure 10).
2. Repeat steps for the opposite side.

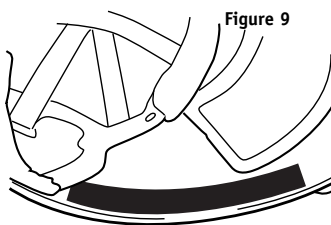


Figure 9

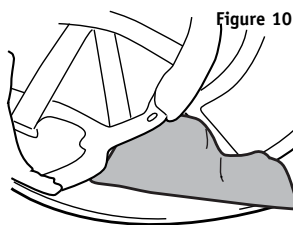


Figure 10

Attaching Cape to Helmet

1. Place cape on table or workbench. (Figure 4, page 19)
2. With window frame open, place helmet on top of cape.
3. Line up plastic tab on the cape over the breathing tube connection (Figure 11).

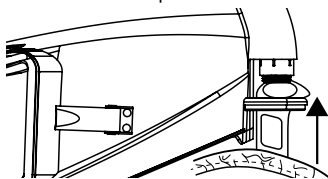


Figure 11



NOTE

Installation must begin with tab in the back of the helmet.

4. Ease cape rim completely into the groove along helmet edge, working your way to the front. Be certain cape is completely in place at every point along helmet's bottom edge.
5. Snap the clamp to tighten cable and hold cape snugly on helmet, while ensuring the cape stays in the groove. Latch should be centered in the front, below the chinguard (Figure 12).

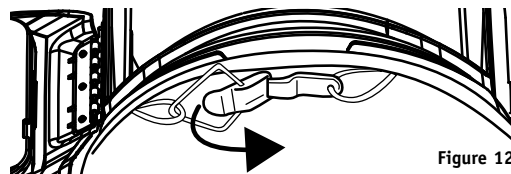


Figure 12

6. Close and latch window frame.
7. Pull quickly and forcefully on the cape to ensure proper assembly.

Installing Breathing Tube Assembly onto Respirator Helmet

1. Prior to connecting the breathing tube, ensure foam is present/properly inserted into the black threaded connector (Figure 13). Inspect for any gaps between foam and side wall.
2. Inspect each end of the breathing tube to ensure the red washers are installed inside the threaded fittings.
3. Connect breathing tube assembly to helmet by screwing plastic hose connector to fitting located on the rear of the helmet. Turn clockwise to tighten (Figure 14).

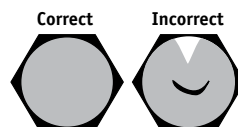


Figure 13

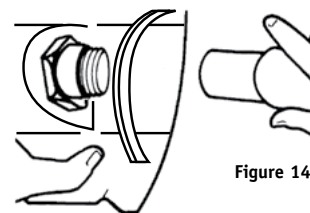


Figure 14



NOTE

Do not remove foam from inside the breathing tube. The foam helps reduce the noise level of the incoming air.



NOTE

If the red washers are no longer present in the breathing tube threaded fittings, install immediately (Part Number: GVXBTW).

Using Climate Control Devices

GenVX Series respirators are approved by NIOSH for use with optional Bullard climate control devices: CT Series, DC50 Series, HCT Series, Frigatron 2000 Series, AC1000, and HC2400 Series.

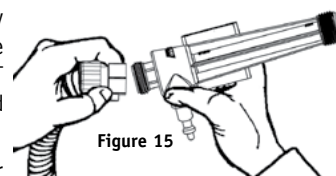


Figure 15

1. Follow the instructions supplied with your climate control device.
2. Be sure to use only the GenVXBT with your climate control device.
3. Screw nylon hose connector on end of breathing tube to hose thread on climate control device.
4. Firmly tighten hose connector by hand (Figure 15).
5. Lace belt supplied with respirator through belt loop bracket on climate control device.

WARNING

Only use climate control devices manufactured by Bullard. Substituting other climate control devices will void the NIOSH approval and could result in death or serious injury.



NOTE

The AC1000 cover sleeve at the bottom of the cylinder may become loose. Immediately remove the knob at the end of the cylinder and tighten the retaining nut with a spanner wrench.

GenVX Series Airline Respirator User Manual

GenVX Respirator Use

WARNING

Do not put on or remove this respirator in a hazardous atmosphere except for emergency escape purposes. Failure to follow this warning could result in death or serious injury.

Donning

Before using your GenVX Series respirator, complete the assembly instructions given on pages 19-20. Before putting on respirator, make sure there is no dirt, dust, or contaminants inside the helmet.

1. Connect the Bullard air supply hose that is part of the NIOSH approved assembly to the air source supplying Grade D breathing air. Turn on the breathing air source.
2. With air flowing, connect breathing tube assembly to air supply hose. Connect quick-disconnect fitting on breathing tube assembly to quick-disconnect coupler on air supply hose. Once fitting is secured, release coupling sleeve to lock fittings together. Pull on both hoses to make sure they are attached securely.
3. Adjust air pressure at point-of-attachment (Figure 2, Page 13) to within the approved pressure range on the Breathing Air Pressure Table (Pages 15-17) for approved pressure ranges.
4. With air still flowing, lower GenVX Series respirator helmet onto your head for a comfortable fit.
5. Position headband for a comfortable fit. See instructions on pages 19 and 20 for proper headband sizing.
6. Pull elastic chin strap under your chin and adjust for a secure and comfortable fit. The chin strap will help balance the helmet but is not required.
7. Be sure that the knitted inner neck cuff fits snugly around your neck to help provide a barrier to airborne contaminants.
8. With breathing tube assembly attached to the helmet, fasten belt around waist or hips and adjust for comfort.
9. Pull respirator cape around your body and secure sides by connecting the snap hooks. If using the Golden Gate cape, first secure the ties that connect in back, then in front. If using the Hibernia parka, tighten belt at waist.
10. Recheck air pressure and adjust if necessary.
11. With air still flowing into your respirator, you are now ready to enter work area.

NOTE

OSHA respirator regulations do not require fit testing of supplied air hoods and helmets.

Doffing

When finished working, leave work area wearing respirator and with air still flowing. Once outside contaminated area, remove respirator and then disconnect the air supply hose using the quick-disconnect fittings.

NOTE

If using V20 Series (1/2" I.D.) air supply hose, the quick-disconnect coupler does not have a shut-off valve. Therefore, air will continue to flow freely after disconnecting hose from respirator.

WARNING

Leave work area immediately if:

- Any respirator component becomes damaged.
- Airflow into respirator helmet stops or slows down.
- Air pressure gauge drops below the minimum specified in the Breathing Air Pressure Table (pages 15-17).
- Breathing becomes difficult.
- You become dizzy, nauseous, too hot, too cold or ill.
- You taste, smell or see contaminants inside respirator helmet.
- Vision becomes impaired.

Failure to follow these instructions could result in death or serious injury.

WARNING

Do not leave respirator in work area. Respirable dust contaminants can remain suspended in the air for more than one hour after work activity ceases, even though you may not see them. Proper work practice requires you to wear the respirator until you are outside the contaminated area. Failure to don, doff and store the respirator outside of contaminated area could result in exposure to contaminants. Failure to follow these instructions could result in death or serious injury.

Inspection, Cleaning and Storage

Bullard's GenVX Series respirators have a limited service life. Therefore, a regular inspection and replacement program must be conducted. Certain parts such as capes and lenses must be replaced frequently.

The GenVX Series respirator and all component parts and assemblies should be inspected for damage or excessive wear, before and after each use, to ensure proper functioning. Immediately remove the respirator from service and replace parts or assemblies that show any sign of failure or excessive wear that might reduce the degree of protection originally provided. If you detect any of these signs, replace your cape immediately or remove the respirator from service. Inspect the inner neck cuff making sure that the band has retained sufficient elasticity.

Use only complete NIOSH approved Bullard GenVX Series components and replacement parts on this respirator. Refer to parts list (Pages 24-27) for correct part numbers.

Since respirator use and the quality of maintenance performed vary with each job site, it is impossible to provide a specific time frame for respirator replacement. As a general guideline, the GenVX Series respirator should be replaced after two years of service or less.

This respirator should be cleaned and sanitized at least weekly, or more often if subjected to heavy use. Respirators used by more than one person must be cleaned, inspected and sanitized after each use. If not cleaned, contamination may cause illness or disease.

REMEMBER, THE AIR YOU BREATHE WILL NOT BE CLEAN UNLESS THE RESPIRATOR YOU WEAR IS CLEAN.

Cape

Inspection

Remove the cape from the respirator helmet and inspect it for rips, tears or damage from excessive wear that might reduce the degree of protection originally provided. If you detect any of these signs, replace your cape immediately or remove the respirator from service. Inspect the inner neck cuff making sure that the band has retained sufficient elasticity.

⚠ WARNING

Do not substitute any capes other than those manufactured by Bullard. Substituting other capes will void the NIOSH approval and could result in death or serious injury. In addition, Bullard capes have instructions and warnings sewn inside each for the benefit of the respirator user. Purchasing after-market "pirate" capes will deprive the respirator user to these important instructions and warnings.

Cleaning

Machine wash the cape in cold or warm water using a gentle cycle. Use a mild laundry detergent. Air-dry only. After cleaning, carefully inspect the cape once again for signs of damage.

Do not use volatile solvents to clean this respirator or any parts and assemblies. Strong cleaning and disinfecting agents, and many solvents, can damage the plastic parts.

Headband and Chin Strap

Inspection

Remove the headband suspension and chin strap from the inner shell. Inspect the headband for cracks, frayed or cut crown straps, torn headband

or size adjustment slots, loss of pliability or other signs of excessive wear. Check the chin strap for loss of elasticity, cuts and cracked hanger clips.

If damage is detected, replace parts immediately with Bullard replacement parts or remove the respirator from service.

Cleaning

The headband suspension and chin strap should be hand-sponged with warm water and mild detergent, rinsed and air-dried. After cleaning and before reassembling, once again carefully inspect the parts for signs of damage.

Helmet

Inspection

Inspect the helmet for nicks, gouges, cracks, holes and any damage due to impact, rough treatment or wear.

If damage is detected, replace parts immediately with Bullard replacement parts or remove the respirator from service.

Cleaning

The helmet and window frame should be hand-sponged with warm water and mild detergent, rinsed and air-dried.

After cleaning and before reassembling, once again carefully inspect the helmet and parts for signs of damage

Lenses and Window Frame Gasket

Inspection

Be sure the plastic inner lens fits securely in the window frame gasket. Remove any grit or dust from the gasket. Inspect the window frame gasket closely for cuts, wear or damage that will prevent a proper seal against the inner faceshield lens or the helmet window frame.

Installing Outer Lenses

To replace outer lenses, first remove all outer lenses. Insert up to five 0.015" lenses (GVXOL15) or two 0.040" lenses (GVXOL40) lined up next to the ridge closest to the helmet hinge and place under the upper and lower lips of the window frame.

Installing Inner Lenses

To replace the inner lens, first remove the old lens. Place helmet upside down in your lap. From the inside of the helmet, push the lens outward while pressing the black gasket with your other hand. Once loosened, remove the lens. Next, remove protective film from the new lens. With the helmet in your lap, align the lens in the corner of the gasket nearest the window hinge until it is secured. Work the lens into the gasket, adjusting the top and bottom placement evenly until it is completely attached (Figure 15).

If damage is detected, replace parts immediately with Bullard replacement parts or remove the respirator from service.

Cleaning

To clean the lenses, hand-sponge with warm water and mild detergent, rinse and air-dry.

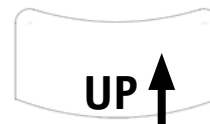


Figure 15

⚠ WARNING

Do not use lenses other than those listed on the next page. Substituting other lenses voids the NIOSH approval. Use of non-Bullard lenses may allow contaminants to enter the respirator and could result in death or serious injury.

GenVX Series Airline Respirator

User Manual

Bullard Lens Description

Outer Mylar lens covers (adhesive) for GenVX

Part No.

GVXLC

NOTE

The following Bullard lenses are stamped with the appropriate Bullard part number described below.

Inner lens for GenVX Series Respirators

GVXIL, BGVXIL

Outer lenses for GenVX Series Respirators

GVXOL40, GVXOL15,
GVXOLT, GVXOTG

Breathing Tube Assembly

Inspection

Inspect the breathing tube for tears, cracks, holes, or excessive wear that might reduce the degree of protection originally provided. If any signs of excessive wear are present, replace the breathing tube immediately or remove the respirator from service.

Cleaning

To clean the breathing tube, hand-sponge with warm water and mild detergent, being careful not to get water inside. Rinse and air-dry. After cleaning, once again carefully inspect breathing tube for signs of damage.

CAUTION

Do not cut or remove foam that is inside the breathing tube. The foam helps reduce the noise level of the incoming air supply. It does not filter or purify your breathing air. NIOSH has approved this respirator with the foam in place. Failure to observe these instructions may result in minor or moderate injury.

Air Supply Hose

Inspection

The starter and extension hose(s) should be inspected closely for abrasions, corrosion, cuts, cracks and blistering. Be sure the hose fittings are crimped tightly to the hose so that air cannot escape. Make sure the hose has not been kinked or crushed by any equipment that may have rolled over it.

If any of the above signs are present or any other signs of excessive wear are detected, replace the air supply hose(s) immediately or remove the respirator from service.

Cleaning

The air supply hose(s) should be hand-sponged with warm water and mild detergent, rinsed and air-dried. Do not get water inside the air supply hose. After cleaning, once again carefully inspect air supply hose(s) for signs of damage.

WARNING

Only use hoses that are NIOSH approved for use with this respirator. Other hoses could reduce airflow and protection, and expose the wearer to life threatening conditions. Failure to follow these instructions could result in death or serious injury.

Cheek Pads

Inspection

Be sure that the cheek pads (GVXCP) are fastened securely to the Velcro in the helmet, clear of any dirt and debris prior to donning the cape.

Change Size of GVXCP Cheek Pads

Remove cheek pads from the helmet. Open top flap on flat edge of cheek pad. Leave both foam pads for the tightest fit, remove one foam pad for a less tight fit, or remove all foam padding for the loosest fit. Close cheek pad, once sized, by adhering Velcro® flap to inner flat edge. Secure cheek pad to helmet with flat edge at the bottom of GenVX helmet.

Cleaning

The optional cheek pads can be wiped or machine washed.

Storage

After reusable respirator components have been cleaned, **completely** dried and inspected, place them in a plastic bag or an airtight container.

Store the respirator and parts where they will be protected from contamination, distortion and damage from elements such as dust, direct sunlight, heat, extreme cold, excessive moisture and harmful chemicals.

Unit must be clean and **completely** dry when stored. DO NOT store cape inside the helmet to prevent dirt and contaminants from entering the inside of the helmet (Figure 16).

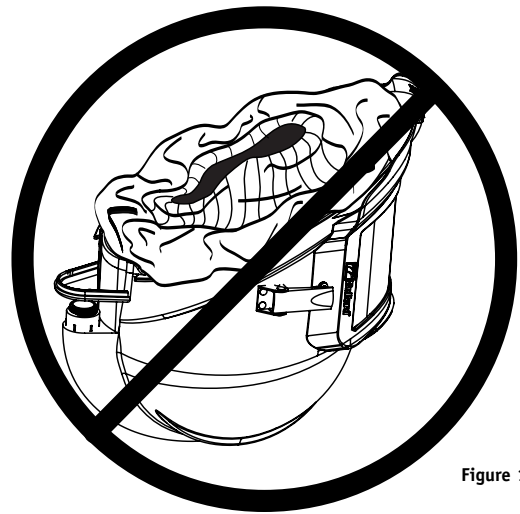


Figure 16

Parts and Accessories for GenVX Series Airline Respirators

GenVX Series supplied-air respirators consist of four components: 1.) respirator helmet assembly with breathing tube, 2.) cape, 3.) flow control device, and 4.) air supply hose. There are options for some components to fit customer specifications. All components must be present and properly assembled, including a Bullard air supply hose, to constitute a complete NIOSH approved respirator (Approval No. TC-19C-0489, TC-19C-0491, TC-19C-0492, TC-19C-0493, TC-19C-0494, TC-19C-0495, TC-19C-0496, Type C and CE).

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
GenVX Bundles		Flow Control Devices (Includes Belt)	
GVX2830CT	28" Cape Assembly with CT Cool Tube	Adjustable Flow	
GVX2830AC1000	28" Cape Assembly with AC1000 Cool Tube	F40	Breathing tube assembly - 1/4" Industrial Interchange (steel) quick-disconnect fitting
GVX2830HCT	28" Cape Assembly with HCT Hot/Cold Tube	CT30	Air Conditioner - 1/4" Industrial Interchange (steel) quick-disconnect fitting
GVX2830HC2400	28" Cape Assembly with HC2400 Hot/Cold Tube	Frigitron	Air Conditioner - 1/2" Industrial Interchange (steel) quick-disconnect fitting, (for use with Bullard EDP30 Free-Air pump)
GVX2840	28" Cape Assembly with Adjustable Flow Control	2000	Air Conditioner - 1/4" Industrial Interchange (steel) quick-disconnect fitting (metal components)
GVX1330CT	38" Cape Assembly with CT Cool Tube	AC1000	Hot/Cold tube - 1/4" Industrial Interchange (steel) quick-disconnect fitting (metal components)
GVX1330AC1000	38" Cape Assembly with AC1000 Cool Tube	HC2400	Hot/Cold tube - 1/4" Industrial Interchange (steel) quick-disconnect fitting
GVX1330HCT	38" Cape Assembly with HCT Hot/Cold Tube	HCT30	DUAL-COOL tube - 1/4" Industrial Interchange (steel) quick disconnect fitting. Order DUAL-COOL vest separately
GVX1330HC2400	38" Cape Assembly with HC2400 Hot/Cold Tube	DC5040	
GVX1340	38" Cape Assembly with Adjustable Flow Control		
GVX3830CT	38" Parka Assembly with CT Cool Tube		
GVX3830AC1000	38" Parka Assembly with AC1000 Cool Tube		
GVX3830HCT	38" Parka Assembly with HCT Hot/Cold Tube		
GVX3830HC2400	38" Parka Assembly with HC2400 Hot/Cold Tube		
GVX3840	38" Parka Assembly with Adjustable Flow Control		
Parts for GenVX Series Respirators		Dual-Cool Vest	
GVXRT	Ratchet Suspension	DC70ML	DUAL-COOL vest. Size: M/L. Order DUAL-COOL tube separately.
GVXCS	Elastic Chin Strap	DC70XLXXL	DUAL-COOL vest. Size: XL/XXL. Order DUAL-COOL tube separately.
GVXCT	Breathing tube connector kit	DC705X	DUAL-COOL vest. Size: 5XL. Order DUAL-COOL tube separately.
GVXDMK	Door maintenance kit	CH60	Connector hose for use with DUAL-COOL
GVXHP	Hinge pin		
Accessories		Replacement Parts for Breathing Tube Assemblies	
GVXCA	Carrying assembly	GVXBT	Breathing tube only, with threaded hose connectors
GVXPL	Pinlock suspension	4612	Belt, nylon webbing
RBPCOTTON	Cotton brow pad	36501	Belt, vinyl
RBPCOOL	Polartec® brow pad	F40	Adjustable flow control valve, 1/4" Industrial Interchange (steel)
RBPVINYL	Vinyl brow pad		
GVXCP	Cheek pads	GVXBTW	Breathing tube washer (10 pack, red)
Lenses and Mylar Covers		Air Supply Hose Kits	
Inner Lenses		V10 Series Hoses (3/8" I.D.) for use with breathing air compressors	
GVXIL	Inner Plastic Lens, .040" thick (25/pkg)	4696	25-foot Starter hose with 1/4" Industrial Interchange Q.D. coupler and male nipple
Outer Lenses		46913	25-foot Starter hose with 1/4" Schrader Q.D. coupler
GVXOL40	Outer Plastic Lens, .040" thick (25/pkg)	46915	25-foot Starter hose with 1/4" Snap-Tite Q.D. coupler
GVXOL15	Outer Plastic Lens, .015" thick (50/pkg)	469650	50-foot Starter hose with 1/4" Industrial Interchange Q.D. coupler and male nipple
BGVXOL40	Outer Plastic Lens, .040" thick (200/bx)	4696100	100-foot starter hose with 1/4" Industrial Interchange Q.D. coupler and male nipple
GVXOLT	Outer Lenses, .030", pack of 25 Tinted (Smoke)	5454	25-foot Extension hose
GVXOLG	Outer Lenses .042", pack of 25 Tinted (Green)	5457	50-foot Extension hose
Lens Cover		5458	100-foot Extension hose
GVXLC	Lens cover, adhesive, 25 pk		
Capes		V20 Series Hoses (1/2" I.D.) for use with Free-Air Pumps	
28VX	Tan Nylon Cape - 28" length	V2050ST	50-foot Starter/Extension hose with 1/2" Industrial Interchange Q.D. coupler
38VX	Tan Nylon Cape - 38" length	V20100ST	100-foot Starter/Extension hose with 1/2" Industrial Interchange Q.D. coupler
GGVX	Tan Nylon Cape, Golden Gate Style - 38" length		
PKVX	Hibernia Parka -Tan Nylon Parka with sleeves - 38" length		
PKXLVX	Hibernia Parka - Tan Nylon Parka with sleeves - 38" length, extra-large		

GenVX Series Airline Respirator User Manual

Parts and Accessories for GenVX Series Airline Respirators

CATALOG NUMBER	DESCRIPTION
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Quick-Disconnect Nipples

1/4" Industrial Interchange

S9841	With 1/4" Female NPT
V17	With 3/8" Female NPT

1/4" Schrader

S19432	With 1/4" Female NPT
S19433	With 3/8" Female NPT

1/4" Snap-Tite

S19442	With 1/4" Female NPT
S17651	With 3/8" Female NPT

Quick-Disconnect Couplers (Shut-off Type)

1/4" Industrial Interchange

V14	With 1/4" Female NPT
V15	With 3/8" Male NPT

1/4" Schrader

V18	With 1/4" Female NPT
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1/4" Snap-Tite

V19	With 1/4" Female NPT
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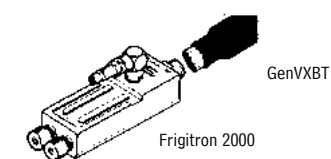
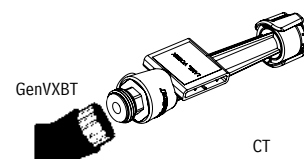
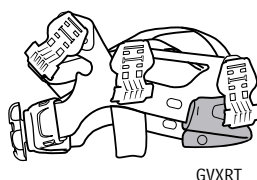
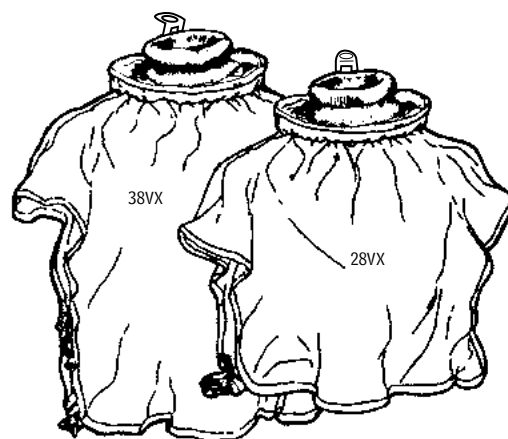
Quick-Disconnect Hose Adapters

V11	Hose-to-hose, 3/8" hose to 3/8" hose
V12	Hose-to-pipe, 3/8" hose to 1/4" pipe
V13	Hose-to-pipe, 3/8" hose to 3/8" pipe

To order replacement parts, contact your local Bullard distributor or the Bullard Customer Service Department.

Bullard

1898 Safety Way
Cynthiana, KY 41031-9303
Toll Free: 877-BULLARD (285-5273)
Phone: 859-234-6616
Fax: 859-234-6858
www.bullard.com
info@bullard.com



Parts and Accessories for GenVX Series Airline Respirators

Other Available Flow Control Assemblies (Without Breathing Tube)

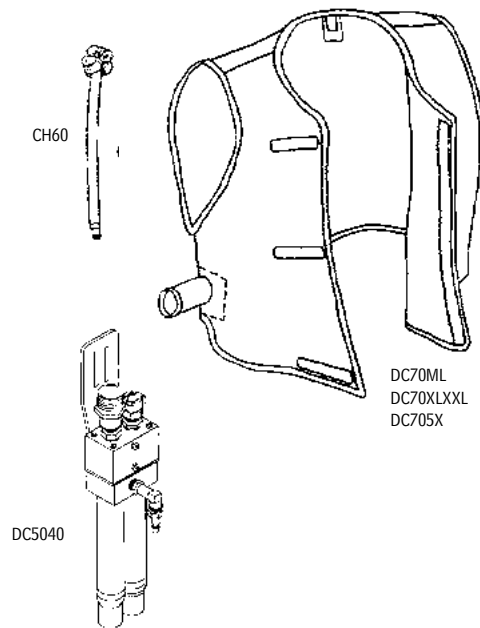
CATALOG NUMBER	DESCRIPTION
Adjustable Flow	
F40B	1/4" Industrial Interchange (brass)
F40S	1/4" Industrial Interchange (stainless steel)
F41	1/4" Schrader
F42	1/4" Snap-Tite (steel)
F43	1/4" Snap-Tite (brass)
F44	1/4" Snap-Tite (stainless steel)
F47	1/4" CEJN
F48	1/4" Bayonet

Adjustable Climate Control Tubes					
Cold Only	Cold Only	Hot/Cold	Hot/Cold	Dual-Cool	Coupling Type
AC100030	CT30	HC240030	HCT30	DC5040	1/4" Industrial Interchange
	CT30SW		HCT30SW		1/4" Industrial Interchange w/Dynaswivel
AC100031	CT31	HC240031	HCT31	DC5041	1/4" Schrader
AC100032	CT32	HC240032	HCT32	DC5042	1/4" Snap-Tite (steel)
AC100033	CT33	HC240033	HCT33	DC5043	1/4" Snap-Tite (brass)
AC100034	CT34	HC240034	HCT34	DC5044	1/4" Snap-Tite (stainless steel)
AC100037	CT37	HC240037	HCT37	DC5047	1/4" CEJN
AC100038	CT38	HC240038	HCT38	DC5048	1/4" Bayonet

GenVX Series Airline Respirator User Manual

Parts and Accessories for GenVX Series Airline Respirators

GenVX Series Respirator Replacement Parts





One Year Limited Warranty

Bullard warrants to the original purchaser that the GenVX Respirator will be free of defects in material and workmanship under normal use and service for a period of one (1) year from the date of purchase. Bullard's obligation under this warranty is limited to repairing or replacing, at its option, articles that are returned within the warranty period and that are, after examination, shown to Bullard's satisfaction to be defective, subject to the following limitations;

- a) GenVX Respirator must be returned to the Bullard factory with shipping charges prepaid.
- b) GenVX Respirator must not be altered from its original factory configuration.
- c) GenVX Respirator must not have been misused, intentionally or negligently abused, or damaged in transport.
- d) The date of purchase is within the one year warranty period. (A copy of the purchaser's original invoice showing the date of purchase is required to validate warranty coverage.)

In no event shall Bullard be responsible for damages for loss of use or other indirect, incidental, consequential or special costs, expenses or damages incurred by the purchaser, notwithstanding that Bullard has been advised of the possibility of such damages.

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE (1) YEAR FROM THE DATE OF PURCHASE OF THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Return Authorization

The following steps must be completed before Bullard will accept any returned goods. Please read carefully.

Follow the steps outlined below to return goods to Bullard for repair or replacement under warranty or for paid repairs:

1. Contact Bullard Sales Support by telephone or in writing at:

Bullard
1898 Safety Way
Cynthiana, KY 41031-9303
Toll-free: 877-BULLARD (285-5273)
Phone: 859-234-6616

In your correspondence or conversation with Sales Support, describe the problem as completely as possible. For your convenience, your sales support specialist will try to help you correct the problem over the phone.

2. Verify with your sales support specialist that the product should be returned to Bullard. Sales Support will provide you with written permission and a return authorization number as well as the labels you will need to return the product.
3. Before returning the product, decontaminate and clean it to remove any hazardous materials which may have settled on the product during use. Laws and/or regulations prohibit the shipment of hazardous or contaminated materials. Products suspected to be contaminated will be professionally discarded at the customer's expense.
4. Ship products to be returned, including those under warranty, with all transportation charges pre-paid. Bullard cannot accept returned goods on a freight collect basis.
5. Returned products will be inspected upon return to the Bullard facility. Bullard Sales Support will telephone you with a quote for required repair work which is not covered by warranty. If the cost of repairs exceeds stated quote by more than 20%, your sales support specialist will call you for authorization to complete repairs. After repairs are completed and the goods have been returned to you, Bullard will invoice you for actual work performed.



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